

General Purpose OPEN Motion Controller

TECHNO OPEN-Motion Controller has NC technology and Rich Motion Functions. This controller is easily implemented. For general purpose, we have Standard Packages which are suit for winding, cutting, robot and/or electric-cam. For more special applications, we customize our software in order to provide a type of operation you may request.

The applications described bellow are common in Precise Cutting Pack, Winding Pack, Robot Pack, and Electric Cam Pack.

■ **TECHNO Standard Operation Software**

You can use general PC software to operate all functions of OPEN-MC.

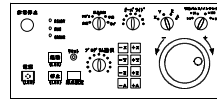
■ **Screen of Standard Operation Software**



■ **Stand-alone Operation**

OPEN-MC is a stand-alone system so that it is independent on PC.

■ **Operation Panel (option)**



■ **Standard Input/Output Control**

OPEN-MC has the general i/o control and you can connect the operation panel for auto/manual operation.

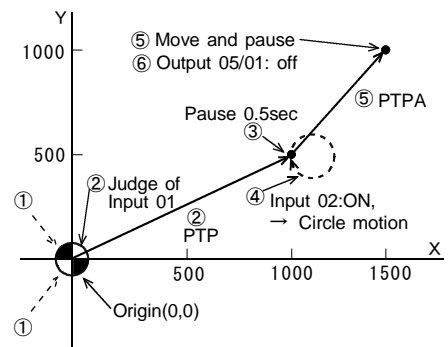
■ **TECHNO code and G code**

Customers can easily determines the type of operations such as transferring, precise cutting or welding by G code and/or TECHNO code without consulting the special knowledge for servo-control.

◆ **ex. TECHNO code instructions**

Eight lines described bellow command the following operations: 4-positioning, 2-judgment of input, 2-output control, timer and call of subroutine.

TECHNO CODE	DESCRIPTION
①PTPA X0 Y0 ;	move to org. (0, 0) from any position
②PTPA X1000 Y500 WR01 ONR01 ;	input01 : on → stop input01 : off → move to (1000, 500)
③TIMO. 5 ;	Pause 0.5sec.
④CALL SUB1 JNR02 ;	Input02:ON → CALL SUB1 Input02 : OFF → pass to next
⑤PTPA X#1000 Y#1001 TIM1.0 ;	move to (X, Y) and pause for a total of 1 sec
⑥OFR05 OFR01 ;	output05/01=off
⑦END ;	Program END
SUB1 :	subroutine label
⑧CIRR X0 Y0 I100 J0 F1000 ;	circle motion
END ;	subroutine END



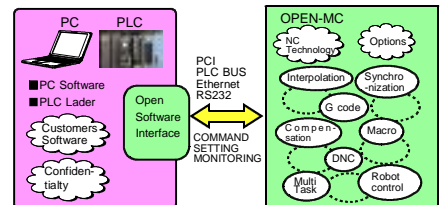
■ **Rich Motion Functions**

- ◆ High Level Servo Technology for a multi axes machine like a NC/Robot
- ◆ Rich Option Functions for various precise machines and special motions: direct NC, macro, multitask, automatic corner override, S-curve acceleration /deceleration manual pulse generator, spindle control, parallel axes, synchronization control, electric cam, torque-control, lathe, thread-cutting, position sensing, rigid tapping, tangent-control

■ **Operation by original application software & Merit of Open Software Interface (IF)**

Software IF is open so that EXCEL or general software is allowed to operate OPEN-MC directly.

■ **Open Software Interface**



■ **Easy Implementation**

- ◆ Demo Unit
- ◆ 4 hours Trial
- ◆ DVD guidance programs
- ex. a How-to guide for OPEN-MC

■ **Demo Unit Sample**



■ **OPEN MOTION CONTROLLER**

◆ **SLM4000**

- one board stand-alone
- 4 pulse train axes control
- 32 inputs 32 outputs
- RS232 /USB



◆ **PLMC-MIIEX**

- plc module type
- MECHATROLINK- II
- 4/9/16 axes Max 30 axes
- extension by plc other modules



◆ **PLMC40**

- plc module type
- 4 pulse train axes control
- 16 inputs 16 outputs
- extension by plc other modules



◆ **Multi Axes Motion AMP.**

- Motion Control
- Servo AMP. Max 7 Axes
- 42 inputs 42 outputs
- (max 256/256) Cable-less

